



# CHEMISTRY

**BOOKS - VK GLOBAL PUBLICATION**

**CHEMISTRY (HINGLISH)**

**MODEL QUESTION PAPER-7**

## Exercise Section A

1. Give a chemical test to distinguish between saturated and unsaturated hydrocarbons.



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2. Why are green plants called producers?

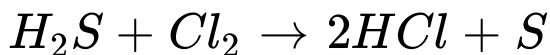
What is the role of decomposers?



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3. (a) Give an example for a combination reaction which is exothermic.

(b) Identify the oxidising agent and reducing agent in the following reaction.



(c) Name the phenomenon due to which the taste and smell of oily food changes when kept for a long time in open. Suggest one method to prevent it.



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4. (a) Why does calcium start floating when added to water?

(b) Most of the metals do not give hydrogen while reacting with nitric acid. Why?

(c ) Write equation for the reaction of iron with steam. Name the compound of iron obtained.



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5. (a) Identify the acid and the base whose combination forms the common salt that you use in your food. Write its formula and chemical name of this salt. Name the source from where it is obtained.

(b) What is rock salt? Mention its colour and

the reason due to which it has this colour.

OR

What does slaking of lime stand for? Why is there a hissing sound during this process?

Write the chemical equation for the reaction involved.



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**6.** Four elements P, Q, R and S have atomic numbers 12, 13, 14 and 15 respectively. Answer the following questions giving reasons:

(i) What is the valency of Q ?

(ii) Classify these elements as metals and non-metals.

(iii) Which of these elements will form the most basic oxide?



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7. How do Mendel's experiments show that traits may be dominant or recessive?



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